ABSTRACT

The invention relates to a process for the preparation of an impact-resistant polymer composition comprising 0.5-75 parts by weight of a rubber composition (per 100 parts by weight of matrix polymer) by

a) melt mixing of matrix polymer A with a composition comprising the rubber composition dispersed in a matrix polymer B, with B optionally being A, and

b) the dispersion of said rubber composition in matrix polymer B has been obtained by melt mixing of matrix polymer B with a rubber composition containing at least one functionalized rubber and at least one non-functionalized rubber.

The composition according to the process of the invention exhibits an improved impact resistance at less to no creep and is suitable inter alia for use in plugs, as a heat bridge in aluminium windows and profiles and in hammer heads.